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D

MSD/PIC/103/59
20 August 1959

Joint Projects Requirement Committee

25X1A [redacted]

JPRC 28-59 and JPRC 29-59

1. Work on Joint Project numbers 28-59 and 29-59 is completed.

2. All questions submitted to PIC/[redacted] by the [redacted] Production and [redacted] Operational teams were satisfactorily answered. These answers formed the basis of an estimate paper submitted by each team to JPRC.

3. No missile production or operational sites were identified.

[redacted] 25X1A

Distribution:
Orig. & 1 - Addressee
1 - MSD Project JPRC-28-59
1 - MSD Project JPRC-29-59
1 - MSD Chrono

25X1A JWG/CD/[redacted]/ph

Declass Review by NIMA / DoD

SECRET

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B

CIA PIC MSD 86/59

17 June 1959

OSI/MSD/ARP

ATTN: [redacted]

25X1A

Chief, PIC/MSD

Requirement NEA/SI/R-1-59, Soviet Atomic Power Station Measurements.

P21-59 A

1. This memorandum and Attachment A are submitted in answer to requirement SI/R-1/59, requesting measurements from still pictures of a movie shown at the Geneva Conference for Peaceful Uses of Atomic Energy, September 1958.

2. The measurements provided herein should be regarded as very approximate. Poor quality, cropped format, unknown focal length of camera, and difficulties in scaling, prohibit the determination of more precise dimensions from this photography. Due to these factors, an error analysis of the dimensions provided is not practicable.

3. The measurements obtained are listed in Attachment A, in the sequence listed in the requirement.

4. One set of four (4) prints with overlays depicting these measurements is forwarded with the original copy of this memorandum.

[redacted]

Enclosures:
Attachment A
Prints (4)

25X1A

Distribution:
Orig. & 1 - Addressee - prints with original only
1 - CCS/PIC
1 - MSD [redacted] project P21-59
1 - MSD Chrono

Prints: USSR REACTOR OF AE Power Station of 100,000 KW capacity (in Siberia)
1. FULL poWER OF STATION WILl reach up to 600,000 KW. Soviet Source, Sept. 1958. Official Use Only STAMPED SECRET (4,17) CIA 350450
2. (no title) looked like the middle ring at the circus STAMPED SECRET
3. N USSR ATOMIC ELECTRIC POWER STation of 100,000 KW capacity (in Siberia) Full capability of station will reach up to 600,000 kw. Soviet Source, Sept. 1958. Official Use Only (4,17) CIA 359448 STAMPED SECRET
4. (no title) STAMPED SECRET(looked like a big oven with big pipes and they came out the top [redacted] and extended out over the ovenlike thing. [redacted] (looked like two young monks).

vk

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MSD 86/59

ATTACHMENT A

Measurements From Still Pictures of Movie on

Soviet Atomic Power Station

From photos of charging face of reactor:

1. Diameter of active core of reactor - 37'.
2. Distance from core to each wall - 20' to both walls shown.
3. Size of cover plates - 1.25' square.
4. Number of cover plates - 539 in 27 rows; number of plates in each row from front to rear: 4, 11, 14, 17, 19, 21, 23, 23, 23, 25, 25, 27, 25, 25, 25, 27, 25, 25, 23, 23, 23, 21, 19, 17, 14, 11, 4.
5. Distance from floor to square windows on walls, reactor room - 10'.

From photo showing man holding fuel column:

6. Distance from charging floor to bottom of window in upper row - 20'.
7. Distance from window in (6) to corner of room - 29'.

From exterior views of building:

8. Distance from high window on side of "high-hat" to front corner of "high-hat" - 29'.
9. Distance from tall window on front side of "high-hat" to corner of "high-hat" - 23'.
10. Distance from bottom of windows in "high-hat" to ground level - 57'.

From photos of turbines:

11. Length (at right angles to overhead piping) of each section of turbine housing - 13', 6', 13'.
12. Out-to-out length (at right angles to overhead piping) of turbine housing - 32'.
13. Width (parallel to overhead piping) of turbine housing at floor level - 28'.
14. Height of recessed area on turbine near operators - 6'.
15. Width of recessed area on turbine near operators - 10'.
16. Distance from rear of turbine to adjacent wall of building - cannot be determined.
17. Distance between steam pipes coming out of floor either side of turbine - 32'.

From photos of bottom face of reactor:

18. Diameter and length of slugs falling out of bottom of reactor in stream of water - cannot be determined.
19. Distance bottom of reactor to top of water below reactor - cannot be determined.
20. Length of fuel elements on sawhorses at end of reactor room - 15'.
21. Diameter of fuel element - 1.7" (reliability of this measurement very [illegible])

ILLEGIB

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CST #192/59
PIC/MSD/84/59
11 June 1959
Copy 1 of 2

OSI/MED/WL

ATTN : [redacted]

Chief, Military-Scientific Division, PIC

Project JP 13-59, Soviet Nuclear Weapons Storage Sites; Interim report and completion of Phase 1

1. This memorandum and its attachments are submitted in answer to phase 1 of JP 13-59 (Requirement RTA/SI/B-12/59, SI/S-3/59). This should be considered an interim report, with work continuing on a detailed analysis of suspected storage and/or handling sites.

2. Attachment "A" is a list, by type, of all nuclear weapons storage and/or handling sites covered by aerial photography. This list shows, where applicable, whether these sites are considered confirmed, probable or possible. Further analysis may result in changes in this list.

3. Attachment "B" is a list of all airfield sites considered in this project, a brief statement of any special facilities found at the airfield, and the status of photographic intelligence on the site. A photo intelligence report is cited for each airfield where special weapons facilities are found.

4. Attachment "C" is a list of all airfield sites considered in this project and the available aerial photographic coverage on each site.

[redacted]

25X1

Attachments:
1. Attachment "A"
2. Attachment "B"
3. Attachment "C"

[redacted]

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25X2
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